

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
9 June 2005 (09.06.2005)

PCT

(10) International Publication Number
WO 2005/052842 A3

(51) International Patent Classification⁷: B66B 1/34

(21) International Application Number:

PCT/US2003/034600

(22) International Filing Date: 31 October 2003 (31.10.2003)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): OTIS ELEVATOR COMPANY [US/US]; Ten Farm Springs Road, Farmington, CT 06032 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): KANG, Pengju [US/US]; 17C, 24 Park Place, Hartford, CT 06106 (US). OH, Jae-Hyuk [KR/US]; 5 Clearbrook Drive, Tolland, CT 06084 (US). FINN, Alan, M. [US/US]; 19 Cedar Ridge Drive, Hebron, CT 06248 (US). PENG, Pei-Yuan [-US]; 7 Rothe Lane, Ellington, CT 06029 (US). HOOTSMANS, Norbert, A., M. [US/US]; 154 Great Pond Road, S. Glastonbury, CT 06073 (US).

(74) Agent: AMBROZIAK, Jeffrey, R.; 900 Chapel Street, Suite 1201, New Haven, CT 06510 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv))

Published:

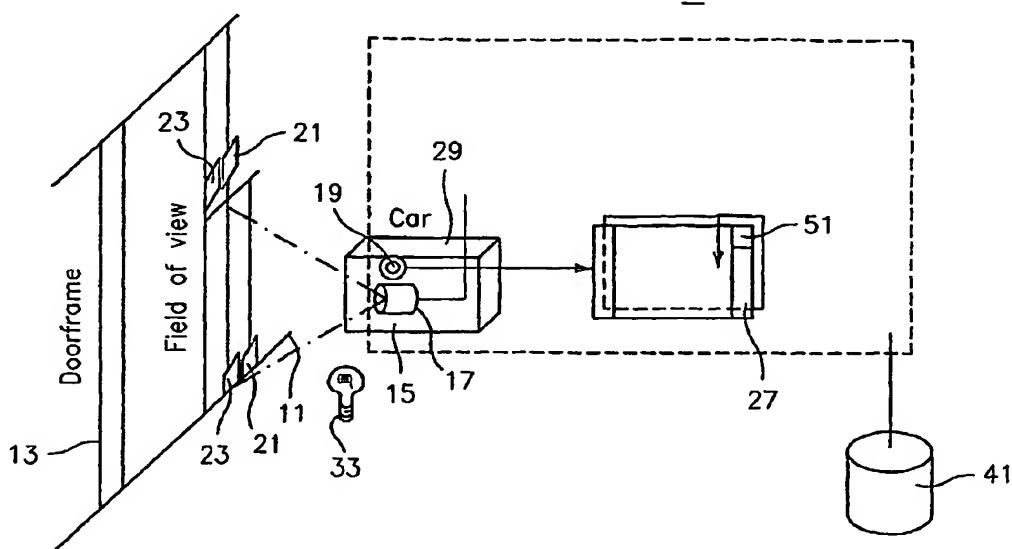
— with international search report

(88) Date of publication of the international search report:
11 May 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: RF ID AND LOW RESOLUTION CCD SENSOR BASED POSITIONING SYSTEM

WO 2005/052842 A3



(57) Abstract: Position measurement system for a movable platform (29) including plural RFID tags (21) and visual markers (23) at known locations such that a reader (19) and camera (15) can provide the precise location of the platform (29).